

BLENDER LINER AT PARTICLE BOARD MANUFACTURER RESTORED WITH BELZONA

ID: 6007

Industry: *Pulp & Paper*
Application: *CEP-Centrifugal Pumps*
Substrate: *Hardened Chromium Alloy Steel*
Products: ** Belzona 1311 (Ceramic R-Metal) ,*
** Belzona 1321 (Ceramic S-Metal) ,*

Customer Location: *Montana, USA*
Application Date: *2003*

Problem

Wood particles being mixed with resins in this blender caused a very abrasive condition. Even though the liner to this equipment was designed to withstand abrasion it still suffered the effects. Particle board manufacturer was in the habit of welding new liners into this equipment when they wore out. The liner replacements were expensive and time consuming having to remove the worn liner and weld in the new one. This required extensive hot work in a wood laden environment and would typically warp the equipment causing misalignment of the lid.



Photograph Descriptions

- * Blender liner showing damage caused by erosion ,
- * Surface preparation completed ,
- * Belzona 1311 applied to the worn areas ,
- * Completed application with Belzona 1321 ,

Application Situation

Liner of the blender used to mix wooden particles.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are
manufactured under an ISO
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Application Method

This application was carried out in accordance with Belzona Know-How System Leaflets CEP-5, CEP-3, and Belzona Instructions For Use.

Belzona Facts

This repair is much less expensive to perform than component replacement, and does not require as extensive hot work. The Belzona solution is a cold process and does not risk warping of the original equipment. The finish of Belzona 1321 provided a smooth surface preventing the adhesion of wood/resin mixture and still provided abrasion resistance.

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